

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/821,229
Filing Date: April 8, 2004
Applicant(s): Tara Ziolo et al.
Group Art Unit: 3733
Examiner: Steven J. Cotroneo
Title: BONE FIXATION DEVICE
Attorney Docket: 5490E-000365

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.131

Sir:

I hereby declare under penalty of perjury as follows:

1. That I am one of the inventors of the above-identified application.
2. That the invention was conceived and reduced to practice in this country prior to September 3, 2003—the filing date of United States Publication No. 2005/0049593 to Duong.

3. That the redacted engineering drawings of Exhibit A illustrate the various components of the subject invention that were produced by an in-house manufacturing facility of the assignee and shown to work for their intended purpose prior to September 3, 2003—the filing date of United States Publication No. 2005/0049593 to Duong.

4. That each of the redacted drawings of Exhibit A bears a date prior to September 3, 2003.

5. That the invention has never been abandoned, suppressed, or concealed.

6. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are being made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, and patent issuing thereon, or any patent to which this verified statement is directed.

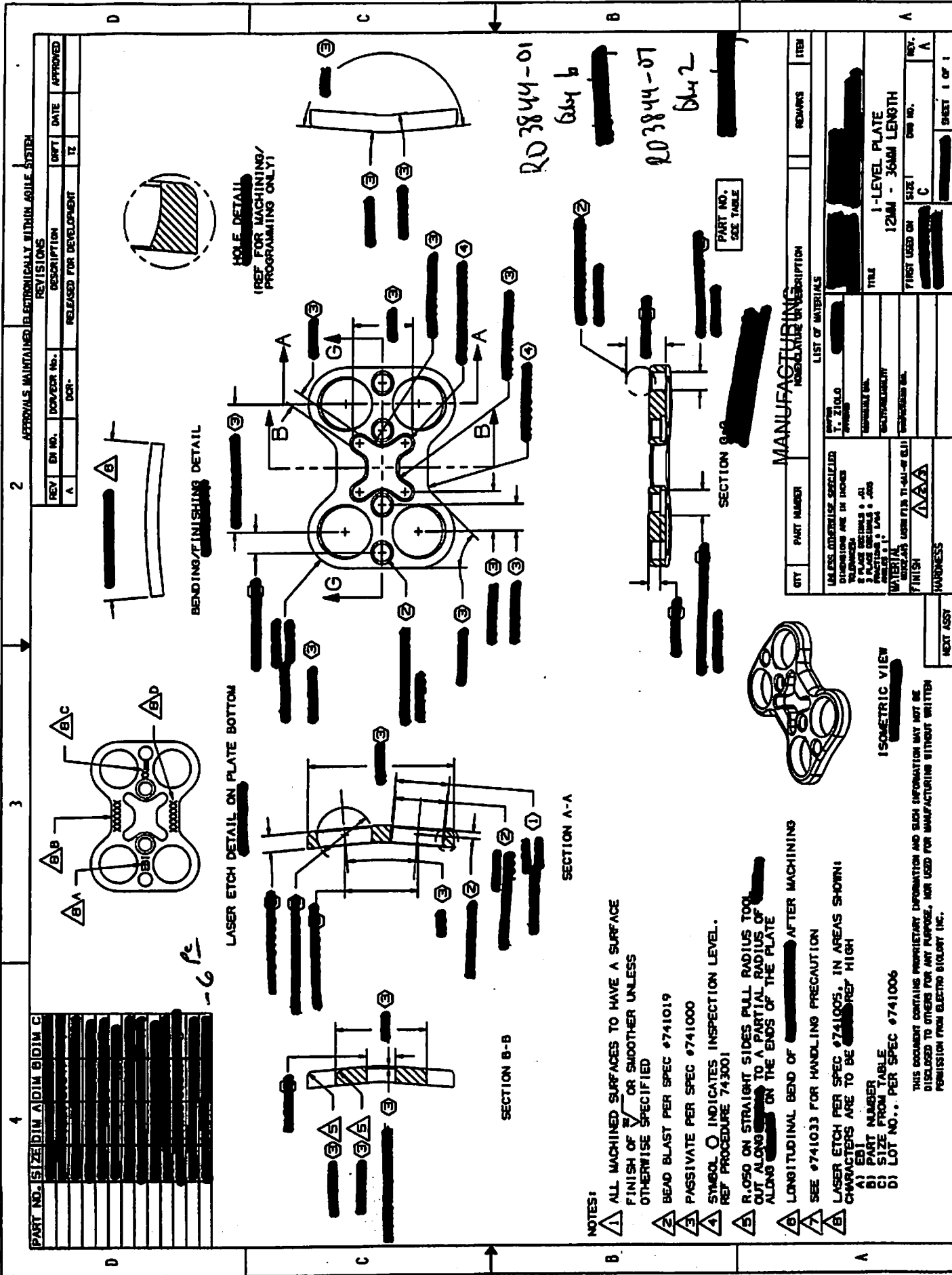
Dated: 11/16/09



Rui Ferreira

15094268.1

EXHIBIT A



APPROVALS MAINTAINED ELECTRONICALLY WITHIN A01LE SYSTEM

REVISIONS			
REV	BY NO.	DESCRIPTION	DATE
A	1	RELEASED FOR DEVELOPMENT	12

REV	BY NO.	DESCRIPTION	DATE
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REV	BY NO.	DESCRIPTION	DATE
A	1	RELEASED FOR DEVELOPMENT	12

MANUFACTURING

QTY	PART NUMBER	DESCRIPTION	REMARKS	ITEM
LIST OF MATERIALS				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS ARE IN INCHES				
TOLERANCES				
FRACTIONS DECIMALS ANGLES				
1/16 0.0625 15 15.000 15.000				
1/32 0.0312 15 15.000 15.000				
1/64 0.0156 15 15.000 15.000				
1/128 0.0078 15 15.000 15.000				
1/256 0.0039 15 15.000 15.000				
1/512 0.0019 15 15.000 15.000				
1/1024 0.0009 15 15.000 15.000				
1/2048 0.0005 15 15.000 15.000				
1/4096 0.0002 15 15.000 15.000				
1/8192 0.0001 15 15.000 15.000				
1/16384 0.00005 15 15.000 15.000				
1/32768 0.00002 15 15.000 15.000				
1/65536 0.00001 15 15.000 15.000				
1/131072 0.000005 15 15.000 15.000				
1/262144 0.000002 15 15.000 15.000				
1/524288 0.000001 15 15.000 15.000				
1/1048576 0.0000005 15 15.000 15.000				
1/2097152 0.0000002 15 15.000 15.000				
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1/16777216 0.00000002 15 15.000 15.000				
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HOLE DETAIL
(REFERENCE FOR MACHINING PROGRAMMING ONLY)



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WATERMAN
BOSTON, MASS. 02111
1-800-541-1111

2

**PART NO.
SEE TABLE**

RD3844-02
6642
47 June 1964

PART NO. LENGTH (MM) ITEM 1		COLOR REF	
			LIGHT GREEN
			GRAY
			DARK BLUE
			LIGHT BLUE
			DARK MAGENTA
			BROWN

APPROVALS MAINTAINED INTERNALLY WITHIN ASSESS SYSTEM			
REVISIONS			
REV	EN NO.	DESCRIPTION	DATE
A		RELEASED FOR DEVELOPMENT	

RD3844-03
day 44

MANUFACTURING

PART NO. 1
PART

1	2	3	4
1	200000	CERICAL SPHERE FOR SCREW	2
1	SEE TABLE	SELF-TAPPING 4.0MM CERICAL SCREW	1
QTY	PART NUMBER	NOMENCLATURE OR DESCRIPTION	REMARKS

LIST OF MATERIALS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS DECIMALS FRACTIONS DECIMALS FRACTIONS DECIMALS	ITEM 1. 21000 2. 21000	QTY 1 1	REV. A A
ITEM CERICAL 4.0MM SCREW ASSY			
MATERIAL			
FINISH			
HARDNESS			

NOTES:

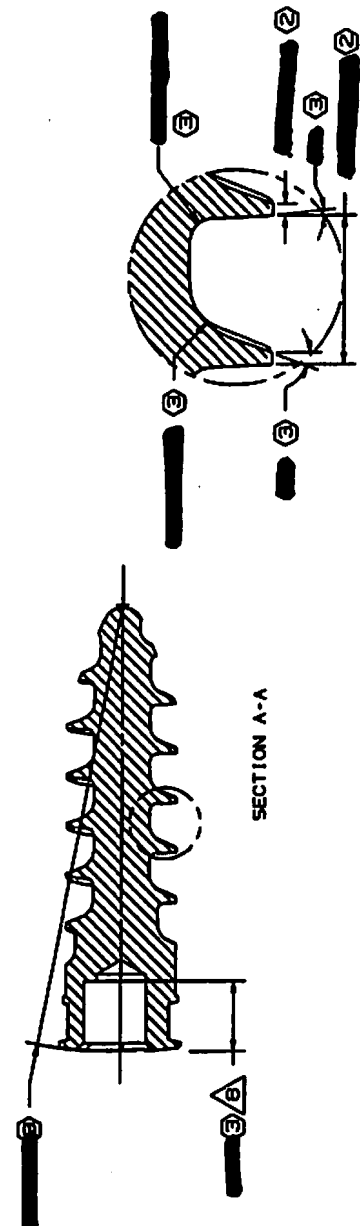
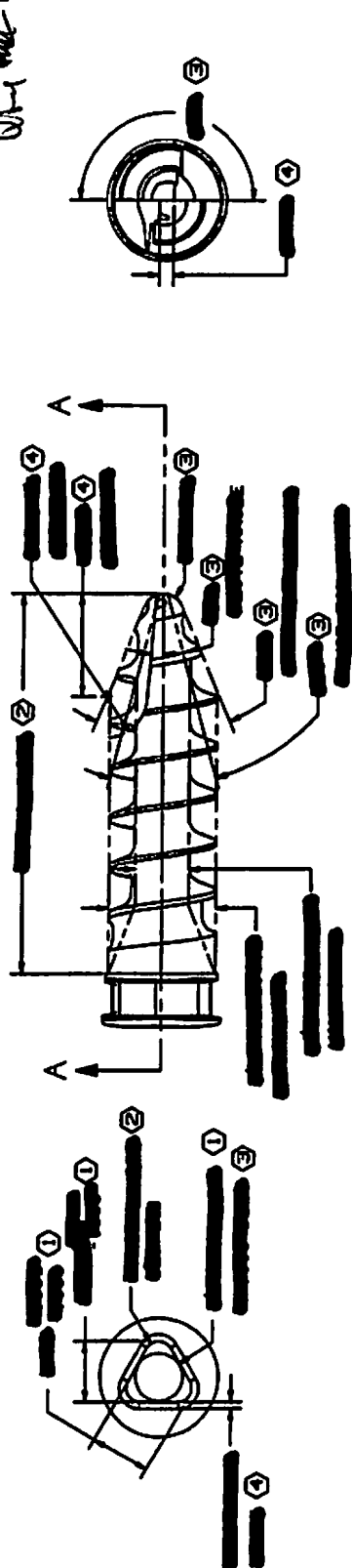
1. LASER ETCH PER SPEC #741005 PRIOR TO ASSEMBLY. IN AREAS SHOWN:
A) "EBI" REF HIGH
B) LENGTH FROM TABLE
C) LOT NO., PER-SPEC #741006

2. SNAP ITEM 2 OVER ITEM 1. ROTATE TO RELAXED STATE.



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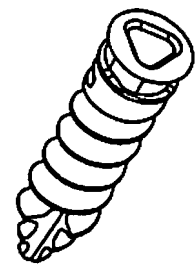
REVISIONS				
REV	EN NO.	DOC/ECR No.	DESCRIPTION	DATE
A		DOC-	RELEASED FOR DEVELOPMENT	17

PART NO.	SIZE	LENGTH	DIM A	TITANIUM ANODIZE	AS PER EB	SPEC 080077.A00	COLOR	FINISH
				PASSIVATE PER EB	SPEC #74 1000			
				TITANIUM ANODIZE	AS PER EB	SPEC 080077.A00	COLOR (DARK BLUE)	
				TITANIUM ANODIZE	AS PER EB	SPEC 080077.A00	COLOR (LIGHT BLUE)	
				TITANIUM ANODIZE	AS PER EB	SPEC 080077.A00	COLOR (DARK MAGENTA)	
				TITANIUM ANODIZE	AS PER EB	SPEC 080077.A00	COLOR (BRONZE)	





NOTES:

- ① ALL MACHINED SURFACES TO HAVE A SURFACE FINISH OF $\sqrt{16}$ OR SMOOTHER UNLESS OTHERWISE SPECIFIED
- ② BEAD BLAST PER SPEC #741019
- ③ SYMBOL  INDICATES INSPECTION LEVEL. REF PROCEDURE 743001
- ④ INSPECT PARTS USING OVERLAY NUMBER XXXXXXX
- ⑤ SEE #741033 FOR HANDLING PRECAUTION
- ⑥ VISUAL END OF THREAD RUNOUT
- ⑦ REF DIMENSIONS FOR MACHINING AND PROGRAMMING
- ⑧ DIMENSION TO THEORETICAL CORNER
- ⑨ GEOMETRY SYM  ON CENTERLINE



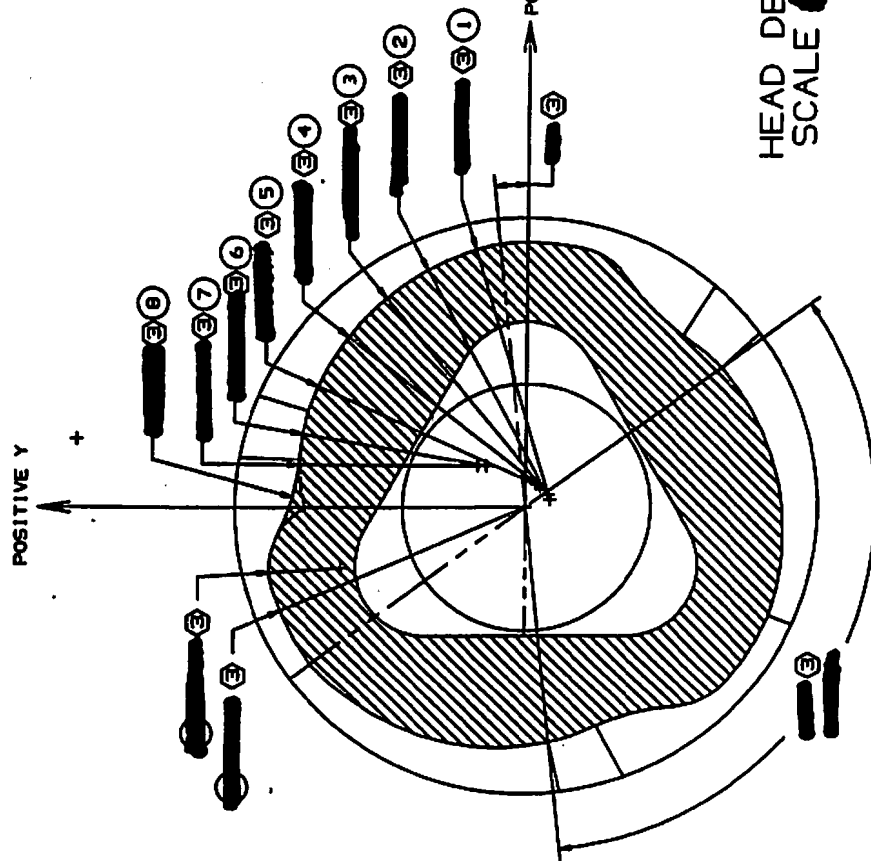
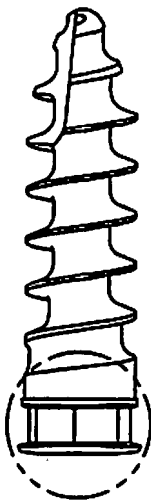
ISOMETRIC VIEW

MANUFACTURING

QTY	PART NUMBER	NOMENCLATURE OR DESCRIPTION	REMARKS	ITEM
LIST OF MATERIALS				
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FINISHES 2 PLATE THICKNESS .01 3 PLATE THICKNESS .003 FRACTIONS & LAM ANGLES ± 1°	BAYNE T. ZIGOLD APPROVED SUPPLYING CO. MULTICORPORATION COMMERCIAL BLDG.	 TITLE SELF-TAPPING 4.0MM CERVICAL SCREW	
	FINISH	WATER BASED POLYURETHANE USED WITH TT-641-40	FIRST USED ON SIZE 1 C	REV. A
	HARDNESS	SEE TABLE	SPINAL SYSTEMS CERVICAL PLATE PROJ 0151	SHEET 1 OF 1 

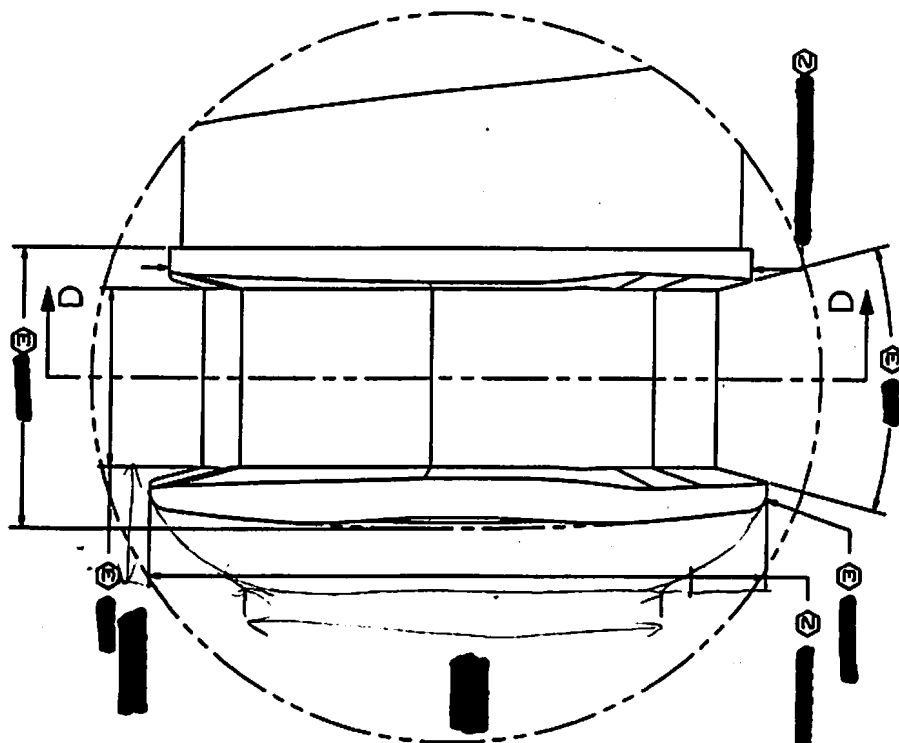
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RD3844-04
May 12/94



SECTION D-D

HEAD DETAIL
SCALE



PART NO. PART

② CAM ORIENTED WITH RESPECT TO THE TRIANGLE DRIVE AS SHOWN.

MANUFACTURING

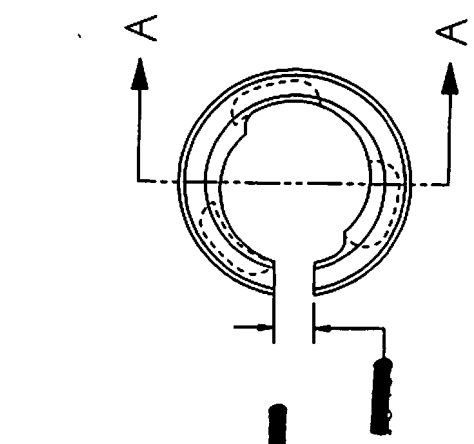
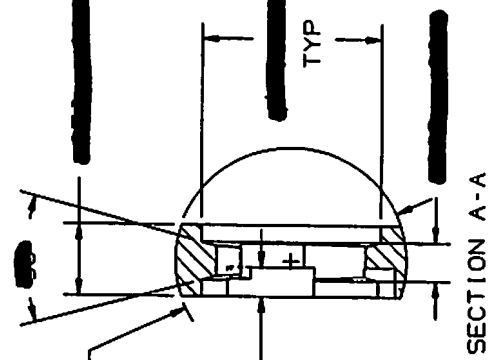
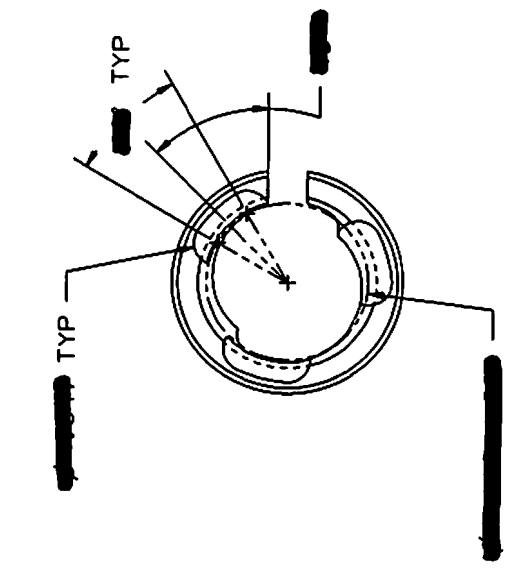
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SIZE	DWG NO.	REV.
C		A

SHEET 2 OF 2

[illegible]

REVISIONS				
REV	EN NO.	DCR/ECR No.	DESCRIPTION	DATE
A			RELEASE FOR DEVELOPMENT	SV



SECTION A-A

MANUFACTURING
PART NO.
RD3770-1

(3)

1 ALL MACHINED SURFACES TO HAVE A SURFACE FINISH OF $\sqrt{\text{ }}$ OR SMOOTHER UNLESS OTHERWISE SPECIFIED

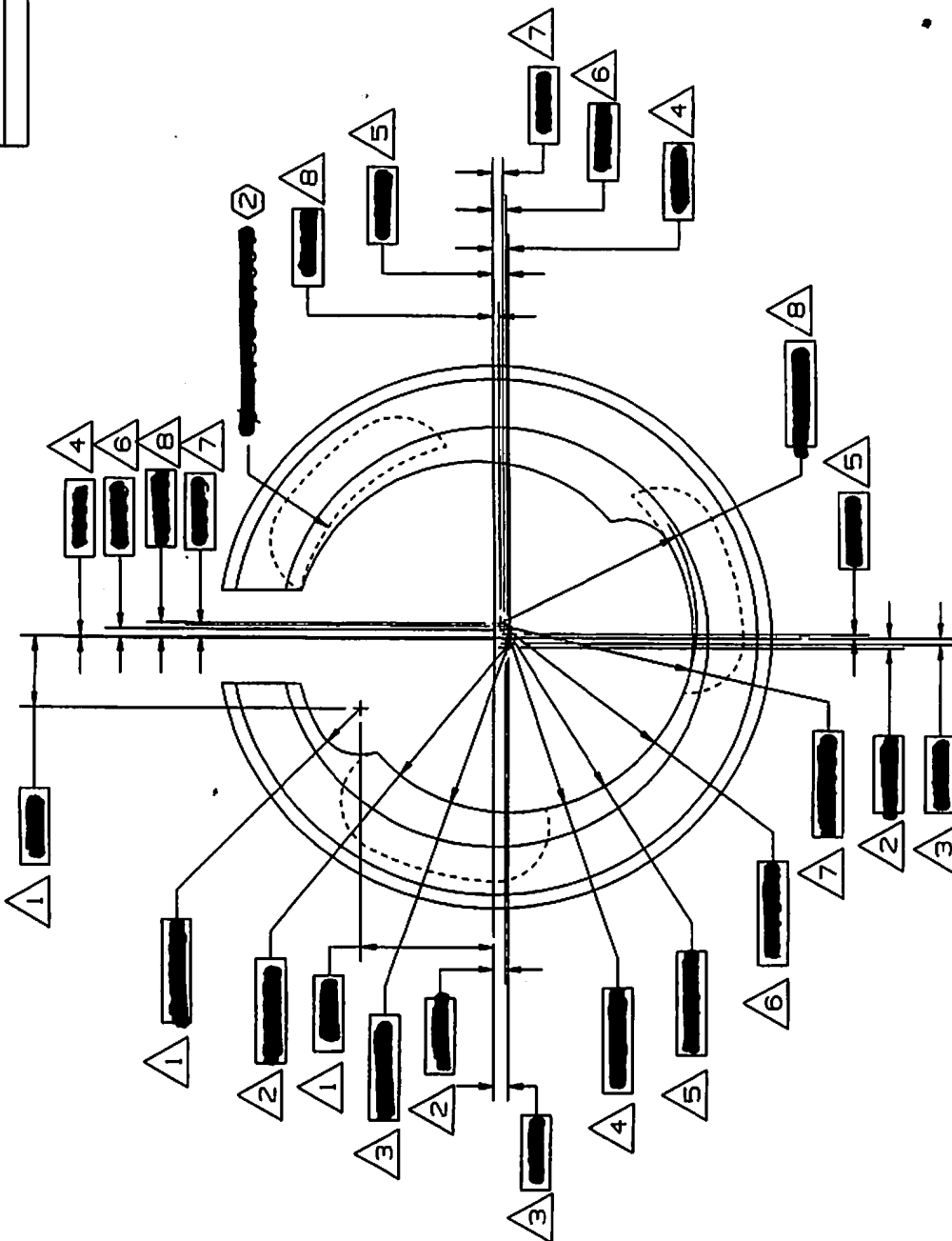
2 MATERIAL TO MEET SPECS 065076.A00 AND ASTM F136

3 PASSIVATE AS PER SPEC 741000

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QTY	PART NUMBER	NOMENCLATURE OR DESCRIPTION	REMARKS	ITEM
LIST OF MATERIALS				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ FRACTIONS $\pm 1/64$ ANGLES $\pm 1^\circ$		DRAWN APPROVED RESPONSIBLE ENG. QUALITY/RELIABILITY MANUFACTURING ENG.		
MATERIAL T16A14V Δ				
FINISH Δ/Δ				
HARDNESS				
TITLE DOUBLE CAM WASHER		FIRST USED ON SIZE B RD3770-1 SCALE SHEET 1 OF 1		
REV.		REV. A		

REVISIONS
SEE SHEET 1



NOTES:

- 1. NUMBERS IN TRIANGLES INDICATES WHICH RADIUS CORRESPONDS TO WHICH X AND Y DIMENSIONS
- 2. SYMBOL ○ INDICATES INSPECTION LEVEL REF PROCEDURE 743001

PART NO.
RD3770-1

MANUFACTURING

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SIZE	DWG NO.	REV.
B	RD3770-1	A
SHEET 2 OF 2		

FILE NO. 800888 REV. 0403